

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
21 August 2003 (21.08.2003)

PCT

(10) International Publication Number  
**WO 03/068467 A1**

(51) International Patent Classification<sup>7</sup>: **B27L 11/00**,  
B27G 13/10

(21) International Application Number: PCT/FI03/00111

(22) International Filing Date: 13 February 2003 (13.02.2003)

(25) Filing Language: Finnish

(26) Publication Language: English

(30) Priority Data:  
20025006 15 February 2002 (15.02.2002) FI

(71) Applicant (for all designated States except US): **RUM-  
MAKKO OY** [FI/FI]; P.O. Box 95, FIN-40101 Jyväskylä  
(FI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HAAPASALO, Pauli**  
[FI/FI]; Pitkätatu 27 B 20, FIN-40700 Jyväskylä (FI).

(74) Agent: **KESPAT OY**; P.O. Box 601, FIN-40101 Jyväskylä  
(FI).

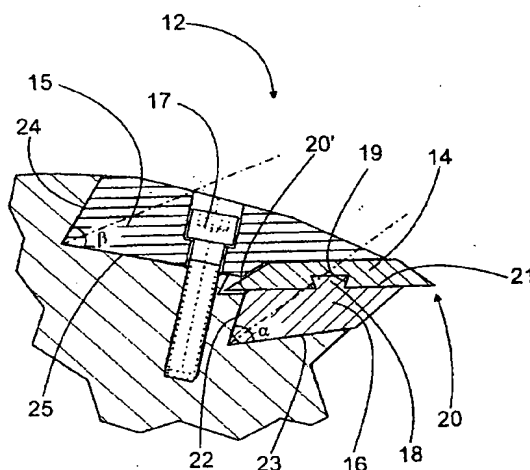
(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW); Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM); European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR); OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:  
with international search report

[Continued on next page]

(54) Title: KNIFE ASSEMBLY FOR A CHIPPER



(57) **Abstract:** The invention relates to a knife assembly for a chipper, which is intended to be installed in the knife frame (11). The knife assembly (12) includes a counter knife (16), a reversible knife (14) including two cutting bevel edges (20, 20'), and a clamp (15). In addition, the knife assembly (12) includes securing means (17) for securing the clamp (15) and at least one locking piece (18) running parallel to the longitudinal axis of the reversible knife (14) to prevent lateral movement of the reversible knife (14) relative to the counter knife (16). The reversible knife (14), the counter knife (16), and the locking piece (18) are arranged in such a way that the position of the reversible knife (14) relative to the knife frame (11) can be set as desired. The locking piece (18) is also arranged to form a fixed part of the reversible knife (14) or the counter knife (16), and the counter knife (16) is fitted to the knife frame (11) using shape-locking.

WO 03/068467 A1